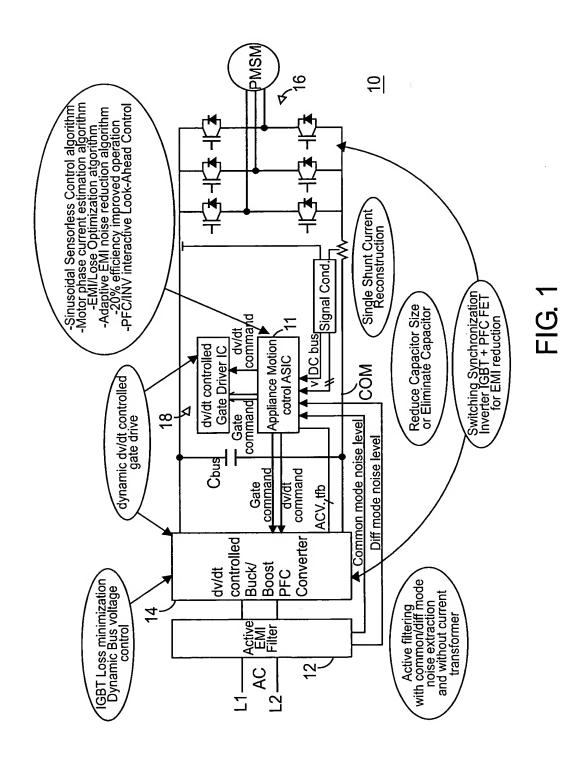
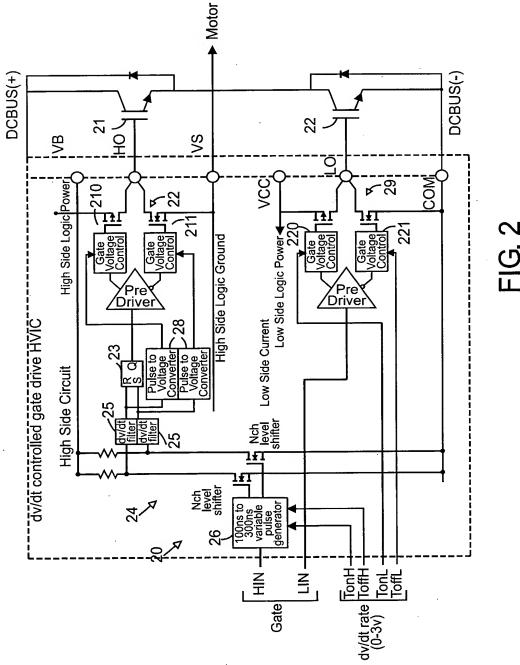
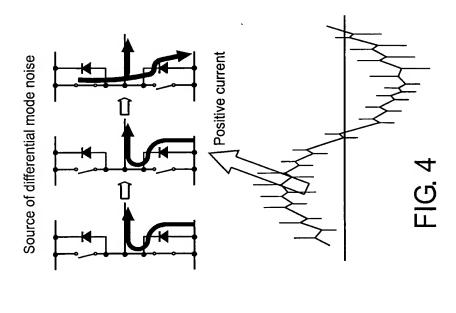
NOV 1 8 2005

ARTHUR TRADEMINE







IGBT Loss

Loss/EMI optimization

EMI noise (dv/dt)

Trajectory

Lower DC bus

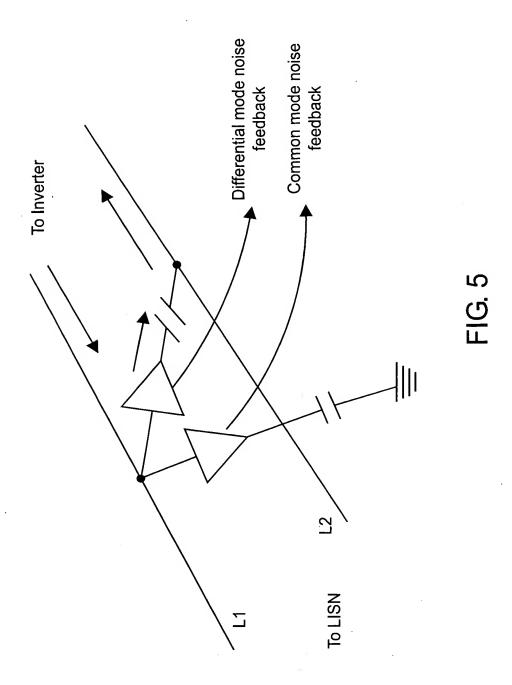
For common mode noise reduction: Slow dv/dt for Ton and Toff

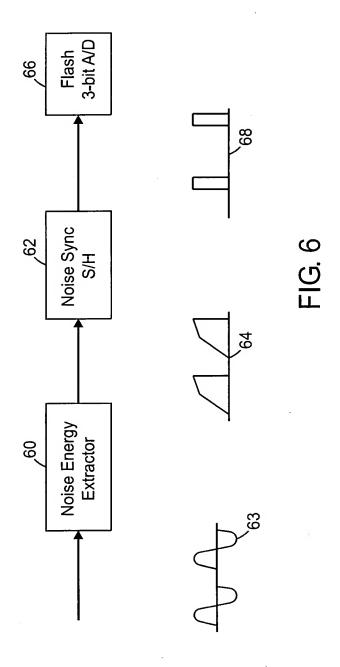
Control walks through the loss/RMI minimization Trajectory for differential mode noise reduction:

Adaptive Control

Slow dv/dt for only Ton

2 JI





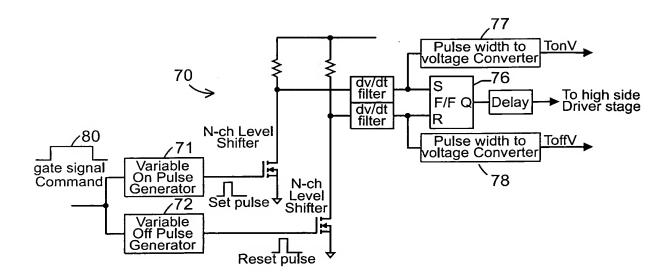


FIG. 7

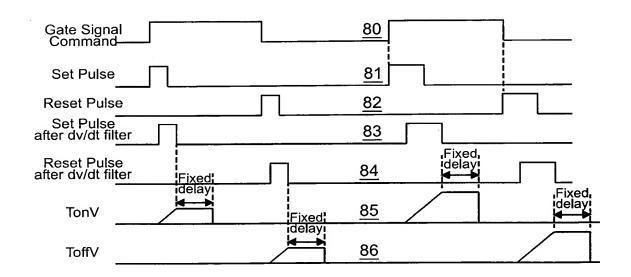
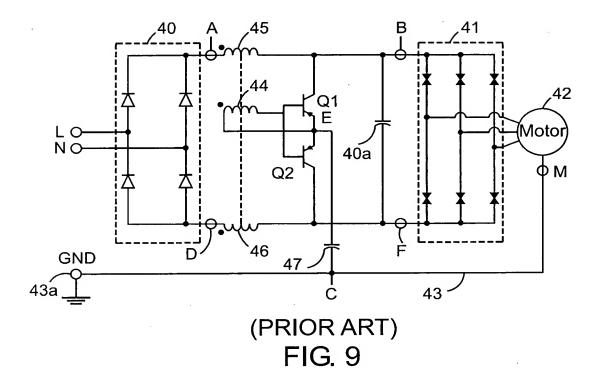


FIG. 8



> (PRIOR ART) FIG. 10